CS-334

Principles and Techniques of Data Science

Assignment 1

Due: 11:55pm on Wednesday, October 6, 2021

Plagiarism Policy

The course policy about plagiarism is as follows:
1. Students must not share the actual program code with other students.
2. Students must be prepared to explain any program code they submit.
3. Students cannot copy code from the Internet.
4. Students must indicate any assistance they received.
5. All submissions are subject to automated plagiarism detection. Students are strongly advised that any act of plagiarism will be reported to the Disciplinary Committee.

Late Submission Policy

You are allowed 5 "free" late days during the semester (that can be applied to one or more assignments) If you submit your work late for any assignment once your 5 "free" late days are used, the following penalty will be applied:
- 10% for work submitted up to 24 hours late
- 20% for work submitted up to 2 days late
- 30% for work submitted up to 3 days late
- 100% for work submitted after 3 days (i.e., you cannot submit your assignment more than 3 days late after you have used your 5 free late days)

Assignment Description

In this assignment, you are required to use Pandas library to answer the questions in the notebooks given in the folders Part 1 and Part 2. The parts are independent from each other but it is recommended to solve them in order. You may test your code using the test cases provided to you. However, there are some hidden test cases as well. Please note that your code must work for both types of tests to get full credit. Hardcoded values will not be awarded any credit. Further details are given in the respective notebooks.

Marks Distribution

Part	Marks
Part 1	50
Part 2	50

Submission Guidelines

- You should name both notebooks as YourRollNumber_PartNumber.ipynb. (e.g. the first part should be named as **2XXXXXXX_1.ipynb**)
- You must submit a zip folder containing just two notebooks and it must not have any folder or any other file.
- Use the following naming convention for the submission: **<roll_number>.zip**
  For example, if your roll number is 22100277, then your zip file name should be: **22100277.zip**